Name _____ Class _____ Date _____

Practice 1-2

The Order of Operations

Simplify each expression.

1. $3 + 15 - 5 \cdot 2$ _____
2. $5 \cdot 6 + 2 \cdot 4$ _____
3. $48 \div 8 - 1$ _____
4. $68 - 12 \div 2 \div 3$ _____
5. $6(2 + 7)$ _____
6. $25 - (6 \cdot 4)$ _____
7. $3[9 - (6 - 3)] - 10$ _____
8. $60 \div (3 + 12)$ _____
9. $4 - 2 + 6 \cdot 2$ _____
10. $18 \div (5 - 2)$ _____
11. $\frac{16 + 24}{30 - 22}$ _____
12. $2[4(9 - 7) + 1]$ _____
13. $(8 \div 8 + 2 + 11) \div 2$ _____
14. $9 + 3 \cdot 4$ _____
15. $18 \div 3 \cdot 5 - 4$ _____
16. $10 + 28 \div 14 - 5$ _____

Insert grouping symbols to make each number sentence true.

17. $3 + 5 \cdot 8 = 64$
18. $4 \cdot 6 - 2 + 7 = 23$
19. $10 \div 3 + 2 \cdot 4 = 8$
20. $3 + 6 \cdot 2 = 18$

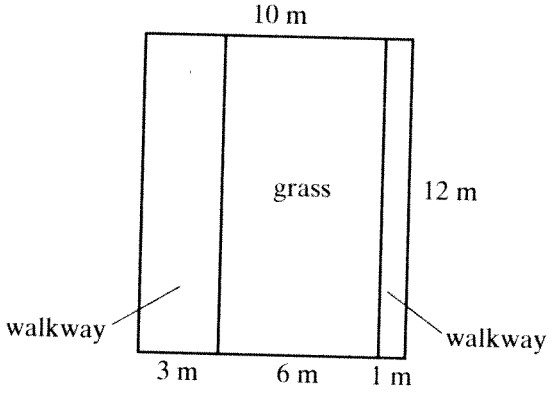
A city park has two walkways with a grassy area in the center, as shown in the diagram.

21. Write an expression for the area of the sidewalks, using subtraction.

_____

22. Write an expression for the area of the sidewalks, using addition.

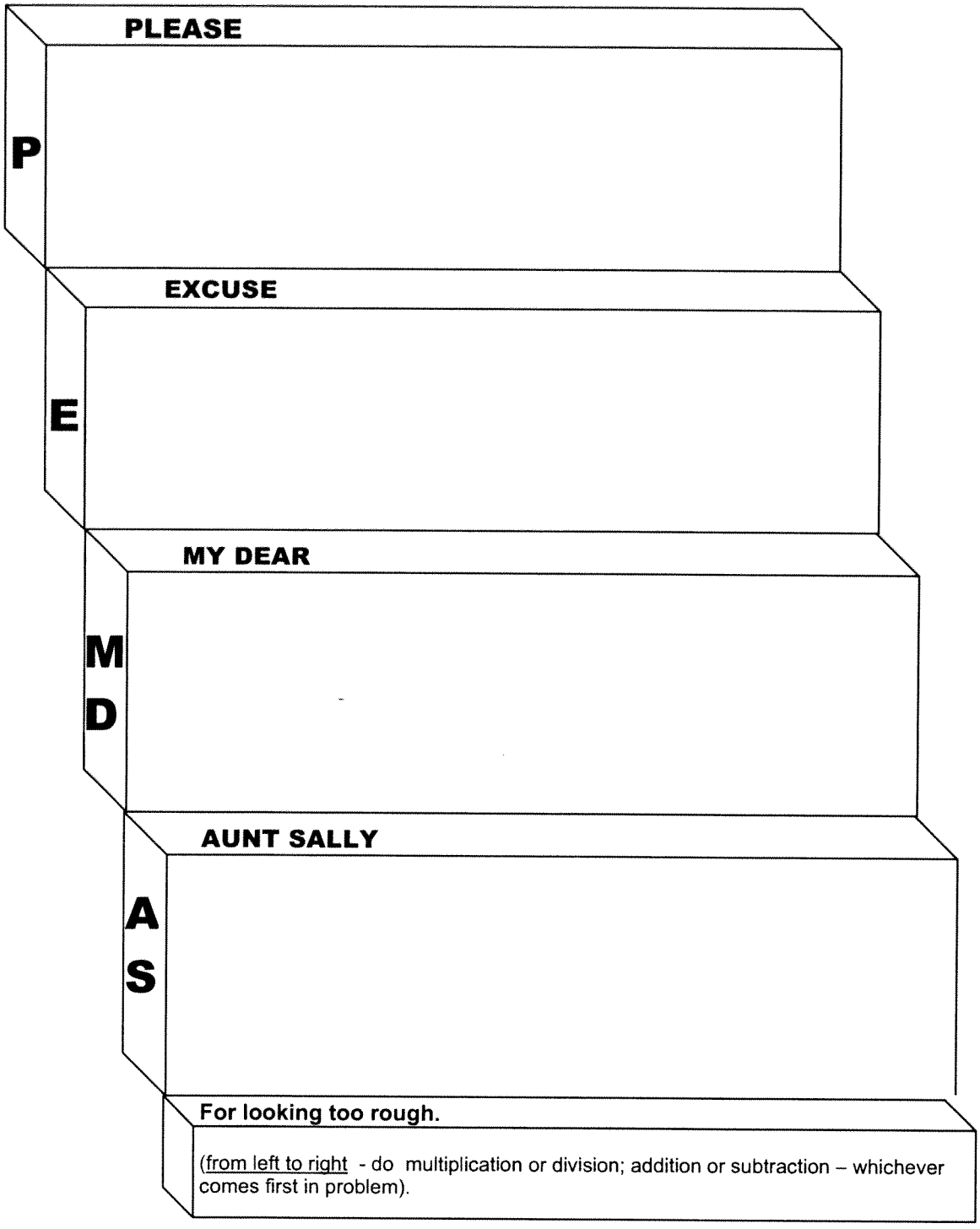
_____



Compare. Use >, <, or = to complete each statement.

23. $(24 - 8) \div 4 \square 24 - 8 \div 4$
24. $3 \cdot (4 - 2) \cdot 5 \square 3 \cdot 4 - 2 \cdot 5$
25. $(22 + 8) \div 2 \square 22 + 8 \div 2$
26. $20 \div 2 + 8 \cdot 2 \square 20 \div (2 + 8) \cdot 2$
27. $11 \cdot 4 - 2 \square 11 \cdot (4 - 2)$
28. $(7 \cdot 3) - (4 \cdot 2) \square 7 \cdot 3 - 4 \cdot 2$

What Is the Order of Operations? (Start at the top)



Adapted with Permission from Dr. Dale Graham and Linda Meyer, Thomas County Central High School, Thomasville, GA